

INSTRUMENT # 060013560

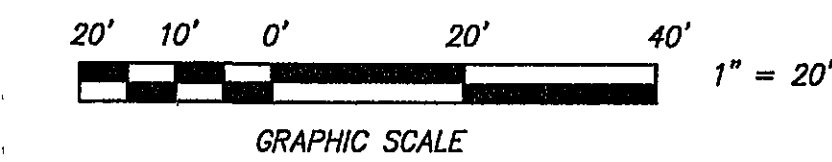
WILLIAMSON ROAD, N.W.

BIRCHLAWN AVENUE, N.W.

LANFORD STREET, N.W.

NEW FIRE STATION
FFE: 101.5

BENCHMARK
BR. SPIKE
ON EAST SIDE OF LANFORD STREET
ELEVATION = 99.07



SITE NOTES

1. FILL PLACED UNDER NEW BUILDINGS, CONCRETE PADS, FILL SLOPES OR PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 95% OF ASTM D698, STANDARD PROCTOR. FILL PLACED IN GRASS OR LANDSCAPED AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% OF ASTM D-698, STANDARD PROCTOR.
2. OFF-SITE AREAS: THE CONTRACTOR HOLDING THE LAND DISTURBING PERMIT FOR THIS PROJECT IS REQUIRED TO PROVIDE TO THE ROANOKE CITY DEPARTMENT OF PLANNING BUILDING AND DEVELOPMENT. THE LOCATION OF ALL OFF-SITE BORROW/FILL AREAS ASSOCIATED WITH THIS PROJECT. AN EROSION CONTROL PLAN MAY BE REQUIRED FOR THOSE AREAS.
3. ALL SPOT ELEVATIONS SHOWN ARE APPROXIMATE
4. ALL DENUDED AREAS SHALL BE PERMANENTLY SEEDED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. TEMPORARY SEEDED SHALL BE APPLIED, WITHIN SEVEN (7) DAYS, TO DENUDED AREAS NOT AT FINAL GRADE BUT THAT WILL REMAIN UNDISTURBED FOR MORE THAN 30 DAYS.
5. ANY SOIL STOCKPILED ON-SITE SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPS OR OTHER PROTECTIVE MEASURES.
6. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.

GENERAL GRADING REQUIREMENTS

ALL FINISH GRADE CONTOURS AND SPOT ELEVATIONS SHOWN HEREIN ARE TO THE UPPER ELEVATION OF THE SPECIFIC ELEMENT. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE FINISH SURFACE (TOPSOIL, PAVEMENT, LANDSCAPE MULCH, ETC.) IN GRADING OF THE SITE.

EROSION-SILTATION CONTROL
COST ESTIMATE

(FOR SOIL EROSION CONTROL BONDING PURPOSES ONLY)
-ALL COSTS GIVEN ARE COMPLETE IN PLACE
-THIS ESTIMATE IS FOR PLAN APPROVAL ONLY. ACTUAL COST OF EROSION & SEDIMENT CONTROL MEASURES SHALL BE PAID FOR BASED ON CONTRACT BID.

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PERMANENT SEEDED	ACRE	0.35	\$ 2,400.00	\$ 840.00
TEMPORARY SEEDED	ACRE	0.35	\$ 1,800.00	\$ 630.00
INLET PROTECTION	EA.	5	\$ 150.00	\$ 750.00
SILT FENCE	L.F.	345	\$ 5.00	\$ 1,725.00
CONSTRUCTION ENTRANCE	EA.	1	\$ 1,500.00	\$ 1,500.00
SUB-TOTAL				\$ 5,445.00
10% CONTINGENCY				\$ 545.00
TOTAL ESTIMATED PROJECT COST				\$ 5,990.00

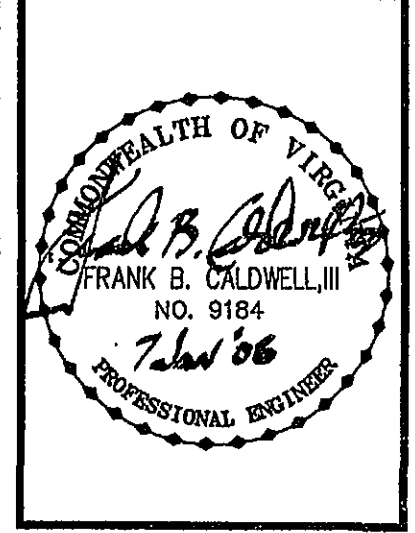
GENERAL EROSION AND SEDIMENT CONTROL NOTES

- 1) ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS & SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION. REFER TO THE MANUAL FOR DETAILS NOT CONTAINED IN THESE PLANS.
- 2) THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE OR OTHERWISE MODIFY CERTAIN EROSION & SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.
- 3) ALL SOIL EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.
- 4) IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
- 5) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAYS WORK.
- 6) FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION.
- 7) REFERENCE THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION, FOR TEMPORARY SEEDED REQUIREMENTS.
- 8) NO MORE THAN 500 FEET OF UTILITY TRENCH MAY BE OPEN AT ANY TIME. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
- 9) THE METHOD OF SEDIMENT REMOVAL FROM TRENCH DEWATERING OPERATIONS SHALL BE APPROVED BY THE CITY OF ROANOKE DEPT. OF PLANNING BUILDING AND DEVELOPMENT PRIOR TO BEGINNING SAID OPERATIONS.
- 10) TEMPORARY EROSION CONTROL MEASURES, NO LONGER NEEDED, SHALL BE REMOVED WITHIN 30 DAYS.
- 11) THE LOCATION OF ALL OFF-SITE BORROW/FILL AREAS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT WILL BE PROVIDED TO THE CITY OF ROANOKE DEPARTMENT OF PLANNING BUILDING AND DEVELOPMENT. AN EROSION CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THIS AREA.

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CITY OF REC COMMENTS	JWK	11/17/07
CITY OF REC COMMENTS	JWK	12/19/07
APPR. PLANS description	JWK	1/7/08
	by	mark
	date	revisions

date	SEPT. 14, 2007
project	06-0059
designed	JWK
drawn	JWK
checked	FEC



project **ROANOKE WILLIAMSON ROAD FIRE STATION**
CITY OF ROANOKE
215 CHURCH AVE SW, ROOM 350, ROANOKE VA 24011
drawing
SITE GRADING AND EROSION CONTROL PLAN